

**Agenda for
Research and Development Committee Workshop on the
Development of Five-Year Transmission Research and Development Plan
and
Discussion Questions**

Wednesday, March 12, 2003

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| 9:30 - 9:40 | Welcoming Remarks (Commissioner Arthur Rosenfeld and Commissioner John Geesman) |
| 9:40 - 9:50 | Transmission Program Background
(Laurie ten Hope, ESI Program Manager) |
| 9:50 - 10:30 | Overview of California Electric Scenario Analysis
(Joe Eto, Consortium for Electric Reliability Technology) |
| 10:30 - 11:30 | Questions, Discussion, Comments and Recommendations |
| 11:30 - 12:45 | Lunch (on own) |
| 12:45 - 1:45 | Draft Transmission R&D Assessment & Gap Analysis (Robert Shelton, Peter Mackin - Navigant Consulting) <ul style="list-style-type: none">– Methodology– Results/Findings |
| 1:45: - 2:45 | Questions, Discussion, Comments and Recommendations |
| 2:45 - 3:05 | Explanation of Staff Preferred Implementation Strategy
Linda Kelly, Energy Commission |
| 3:05 - 3:50 | Questions, Discussion, Comments and Recommendations |
| 3:50 - 4:00 | Next Steps
Commissioner Art Rosenfeld and Commissioner John Geesman |
- Adjourn

**Discussion Questions for
Research and Development Committee Workshop on the
Development of Five-Year Transmission Research and Development (R&D) Plan**

Two draft consultant reports: *California's Electricity System of the Future Scenario Analysis of Public-Interest Transmission System R&D Planning* and *Electricity Transmission R&D Assessment and Gap Analysis* will be posted on the California Energy Commission's web site no later than February 21, 2003. Please see:

http://www.energy.ca.gov/pier/strat/strat_research_trans6.html

A Notice for the Committee Workshop is also posted on the Commission web site. For details of the workshop, please see:

http://www.energy.ca.gov/pier/notices/2003-02-19_workshop_notice.html

The following questions are presented below to guide the discussions of the two draft consultant reports at the workshop. The Committee welcomes written comments on both consultant reports and responses to the discussion questions before the workshop. Written comments should be addressed to the following:

California Energy Commission
Attn: Linda Kelly
Energy Integration Systems Research Program
1516 Ninth Street, MS-43
Sacramento, CA95814

Electronic comments sent to Linda Kelly at [lkelly@energy.state.ca.us] will be accepted in lieu of written comments or questions.

Discussion Questions

California's Electricity System of the Future, Scenario Analysis in Support of Public Interest Transmission System R&D Planning

1. Do the scenarios, as described, provide an adequate basis upon which to assess possible transmission futures and the implications for R&D?
2. Is the assessment of the transmission R&D needs for each scenario accurate and complete?
3. Is the assessment of the interests and capabilities of various market players and stakeholders consistent with the scenario descriptions?
4. Are the identified priorities for PIER Energy Systems Integration (ESI) transmission R&D consistent with ESI's criteria for PIER funded R&D?

5. What additional factors should the Energy Commission consider when developing a portfolio of PIER ESI transmission R&D activities?

Electricity Transmission R&D Assessment and Gap Analysis

1. What do you see as the key technical issues/challenges facing the transmission sector? Have these key issues been captured in the research assessment?
2. What perceived and real risks are affecting transmission R&D investment? What can be done to reduce those risks?
3. What technologies/tools/analyses hold the greatest promise for meeting current and future challenges in transmission?
4. What actions can the Energy Commission take to meet these challenges?
5. On what research initiatives or areas should the Energy Commission focus?
6. Are there research initiatives that are not appropriate for the Energy Commission to focus on?
7. Page 5 of the draft research assessment identifies four focus areas. What is the relative importance of each focus area in addressing the most critical near-term and longer-term transmission issues?